



STIC Search Report

EIC 2800

STIC Database Tracking Number: 123456789012345

TO: Evelyn Lester
Location: JEF-3C05
Art Unit : 2873
Wednesday, October 19, 2005

Case Serial Number: 09/554135

From: Darcy Bates
Location: EIC 2800
JEF- 4B68
Phone: 571-272-2540

darcy.bates@uspto.gov

Search Notes

Re: 09/554,135 US 6,324,014

Attached are search results.

No U. S. litigation was found in searches of Lexis-Nexis and Questel-Orbit databases.

If more searching or explanation is needed, please let me know.

Thanks,

Darcy Bates

Bates, Darcy

From: Lester, Evelyn
Sent: Tuesday, October 18, 2005 2:57 PM
To: STIC-EIC2800
Subject: Litigation Search

Hello,

I am in need of a litigation search for a reissue application 10/720,004 and for a patented case, Pat. # 6,324,014 (Serial Number 09/554,135).

Thank you very much!

Evelyn A. Lester
Primary Examiner
AU 2873
JEF 3C05
(571) 272-2332

P.S. If this is not the correct place to request a litigation search, can you tell me who I should ask? Thanks.

PALM INTRANET

Day : Tuesday
 Date: 10/18/2005
 Time: 15:46:52

Application Number InformationApplication Number: **09/554135** AssignmentsFiling or 371(c) Date: **05/10/2000**Effective Date: **05/10/2000**Application Received: **05/10/2000**Patent Number: **6324014**Issue Date: **11/27/2001**Date of Abandonment: **00/00/0000**Attorney Docket Number: **USPL-64**Status: **150 /PATENTED CASE**Confirmation Number: **8245**Examiner Number: **69399 / LESTER, EVELYN**Group Art Unit: **2873**Class/Subclass: **359/651.000**Lost Case: **NO**

Interference Number:

Unmatched Petition: **NO**L&R Code: Secrecy Code: **1**Third Level Review: **NO**Secrecy Order: **NO**Oral Hearing: **NO**Status Date: **11/09/2001**Title of Invention: **WIDE FIELD OF VIEW PROJECTION LENSES FOR COMPACT PROJECTION LENS SYSTEMS EMPLOYING PIXELIZED PANELS**

Bar Code	PALM Location	Location Date	Charge to Loc	Charge to Name	Employee Name	Location
09554135	28M1	10/18/2005	28E1	No Charge to Name	NGO,CHAU	JEF/00/C 05

Appln Info	Contents	Petition Info	Atty/Agent Info	Continuity Data	Foreign Data	Inventors	Address
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Search Another: Application# or Patent#

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Attorney Docket #

Bar Code #

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Day : Tuesday
Date: 10/18/2005
Time: 15:46:57

PALM INTRANET

Continuity Information for 09/554135

Parent Data

09554135

is a national stage entry of PCT/US98/23937 International Filing Date: 11/10/1998

Which Claims Priority from Provisional Application 60065308

Which Claims Priority from Provisional Application 60065308

Child Data

10720004 is a reissue of 09554135

[Appln Info](#) [Contents](#) [Petition Info](#) [Atty/Agent.Info](#) [Continuity Data](#) [Foreign Data](#) [Inventors](#) [Address](#)

Search Another: Application#

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Patent Search - Number: 6,324,014

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Terms: [patno=6324014](#) ([Edit Search](#) | [Suggest Terms for My Search](#))

554135 (09) 6324014 November 27, 2001

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6324014

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[Link to Claims Section](#)

November 27, 2001

Wide field of view projection lenses for compact projection lens systems employing pixelized panels

REISSUE: November 21, 2003 - Reissue Application filed Ex. Gp.: 2873; Re. S.N. 10/720,004 (O.G. April 20, 2004)

INVENTOR: Moskovich, Jacob - Cincinnati, Ohio

APPL-NO: 554135 (09)

FILED-DATE: May 10, 2000

GRANTED-DATE: November 27, 2001

ASSIGNEE-AT-ISSUE: Corning Precision Lens, Cincinnati, Ohio, 02

ASSIGNEE-AFTER-ISSUE: February 18, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., 3M INNOVATIVE PROPERTIES COMPANY P.O. BOX 33427 ST. PAUL MINNESOTA 55133-3427, Reel and Frame Number: 13429/0259

February 18, 2003 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., 3M PRECISION OPTICS, INC. 3997 MCMANN ROAD CINCINNATI OHIO 45245, Reel and Frame Number: 13429/0359

LEGAL-REP: Klee, Maurice M. - # #0

PUB-TYPE: November 27, 2001 - Utility Patent having no previously published pre-grant publication (B1)

PUB-COUNTRY: United States (US)

PCT-FILED-DATE: November 10, 1998

PCT-APPL-NO: US9823937

PCT-PUB-PAT-NO: WO 99/26090

PCT-PUB-DATE: May 27, 1999

SECT-371-DATE: May 10, 2000

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patno=6324014

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Syntax Definition

<u>and</u>	and
<u>or</u>	or
<u>w/N</u>	within N words
<u>not w/N</u>	not within N words
<u>pre /N</u>	precedes by N words
<u>w/p</u>	in same paragraph
<u>not w/p</u>	not in same paragraph
<u>w/seg</u>	in same segment
<u>not w/seg</u>	not in same segment
<u>w/s</u>	in same sentence
<u>not w/s</u>	not in same sentence
<u>and not</u>	and not

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Selected file: PLUSPAT

Search statement 1

Query/Command : us6324014/pn

** SS 3: Results 1

Search statement 4

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image
PN - US6324014 B1 20011127 [US6324014]
TI - (B1) Wide field of view projection lenses for compact projection lens systems employing pixelized panels
PA - (B1) CORNING PREC LENS (US)
PA0 - Corning Precision Lens, Cincinnati OH [US]
IN - (B1) MOSKOVICH JACOB (US)
AP - US55413500 20000510 [2000US-0554135]
FD - Rel. Prov. 60/065,308 19971113 [1997US-P065308]
PCT/US98/23937 19981110 [1998WO-US23937]
WO99/26090 19990527 [WO9926090]
PR - US55413500 20000510 [2000US-0554135]
US6530897P 19971113 [1997US-P065308]
WOUS9823937 19981110 [1998WO-US23937]
IC - (B1) G02B-003/00 G02B-013/18
EC - G02B-013/06
G02B-013/18
G02B-027/18
PCL - ORIGINAL (O) : 359651000; CROSS-REFERENCE (X) : 359649000
359716000 359717000
DT - Basic
CT - USRe35310; US4189211; US4425028; US4461542; US4767199; US4778264;
US4801196; US4826311; US5042929; US5179473; US5200861; US5218480;
US5278698; US5313330; US5319495; US5331462; US5493446; US5625495;
US5644435; US5812326; US5822128; US5822129; US5841587; US5870228;
US5900987; US5900989; US5963375; US5969874; US5969876; US5991089;
US6023375; EP311116; WO9908138
The Handbook of Plastic Optics, U.S. Precision Lens, Inc.,
Cincinnati, Ohio, 1983, pp. 17-29.
STG - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001
AB - A projection lens for use with LCD panels is provided. The lens has a first lens unit which includes a strong negative lens element having an aspherical surface which provides distortion correction, and a second lens unit which includes a first lens subunit separated by an airspace from a second lens subunit, wherein the first lens subunit has a strong positive power and the second lens subunit has a weaker power. The second lens subunit can include a negative lens element, followed by a positive lens element, followed by a plastic lens element having an aspherical surface. The projection lens has a field of view of at least 35

10/19/05

US 6,324,014

09/554135

(degree) so that the overall projection lens system has a compact size.

UP - 2001-49

1 / 1 LGST - @EPO

PN - US6324014 B1 20011127 [US6324014]
AP - US55413500 20000510 [2000US-0554135]
ACT - 20030218 US/AS-A

ASSIGNMENT

OWNER: 3M INNOVATIVE PROPERTIES COMPANY P.O. BOX 33427ST.;

EFFECTIVE DATE: 20030212

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:3M PRECISION OPTICS,
INC.;REEL/FRAME:013429/0259

20030218 US/AS-A

ASSIGNMENT

OWNER: 3M PRECISION OPTICS, INC. 3997 MCMANN ROAD CINCINNATI;

EFFECTIVE DATE: 20021213

CHANGE OF NAME;ASSIGNOR:CORNING PRECISION LENS,
INC.;REEL/FRAME:013429/0359

20040420 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20031121

UP - 2004-53

1 / 1 CRXX - @CLAIMS/RRX

AN - 3612269
PN - 6,324,014 A 20011127 [US6324014]
PA - Corning Precision Lens
PT - E (Electrical)
ACT - 20030218 REASSIGNED
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: 3M PRECISION OPTICS, INC., DATE SIGNED: 02/12/2003

Assignee: 3M INNOVATIVE PROPERTIES COMPANY, P.O. BOX 33427, ST.
PAUL, MINNESOTA, 55133-3427

Reel 013429/Frame 0259

Contact: 3M INNOVATIVE PROPERTIES COMPANY, BRUCE E. BLACK, PO BOX
33427, ST. PAUL, MN 55133-3427

20030218 REASSIGNED
CHANGE OF NAME

Assignor: CORNING PRECISION LENS, INC., DATE SIGNED: 12/13/2002

Assignee: 3M PRECISION OPTICS, INC., 3997 MCMANN ROAD, CINCINNATI,
OHIO, 45245

Reel 013429/Frame 0359

Contact: 3M INNOVATIVE PROPERTIES COMPANY, BRUCE E. BLACK, OFFICE
OF INTELLECTUAL PROPERTY COUNSEL, P.O. BOX 33427, ST. PAUL,
MINNESOTA 55133-3427

20031121 REISSUE REQUESTED
 ISSUE DATE OF O.G.: 20040420
 REISSUE REQUEST NUMBER: 10/720004
 EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2873

Reissue Patent Number:

UP - 2003-19
 UACT- 2004-04-20

Search statement 4

Query/Command : fam us6324014/pn

1 Patent Groups
 ** SS 4: Results 6

Search statement 5

Query/Command : famstate nonstop

1 / 6 PLUSPAT - @QUESTEL-ORBIT
 PN - CN1278925 A 20010103 [CN1278925]
 STG - (A) Unexamined application
 TI - (A) Wide field of view projection lenses for compact projection
 lens systems employing pixelized panels
 PA - (A) U S PREC LENS INC (US)
 IN - (A) MOSKOVICH J (US)
 IC - (A) G02B-003/00 G02B-003/02 G02B-015/14
 PN2 - CN1169001 C 20040929 [CN1169001C]
 STG2- (C) Granted patent
 TI2 - (C) Wide field of view projection lenses for compact projection
 lens systems employing pixelized panels
 PA2 - (C) U S PREC LENS INC (US)
 IN2 - (C) MOSKOVICH J (US)
 IC2 - (C) G02B-003/00 G02B-003/02 G02B-015/14
 AP - CN98811140 19981110 [1998CN-0811140]
 PR - US6530897P 19971113 [1997US-P065308]
 UP - 2005-08

2 / 6 PLUSPAT - @QUESTEL-ORBIT
 PN - EP1031050 A1 20000830 [EP1031050]
 STG - (A1) Public. Of applic. With search report
 TI - (A1) WIDE FIELD OF VIEW PROJECTION LENSES FOR COMPACT PROJECTION
 LENS SYSTEMS EMPLOYING PIXELIZED PANELS

OTI - (A1) WEITWINKELPROJEKTIONSLINSEN FUR KOMPAKTE PROJEKTIONSSYSTEME
 MIT AUS PIXELN BESTEHENDEN ANZEIGETAFELN
 (A1) LENTILLES DE PROJECTION A GRAND ANGLE DESTINEES A DES
 SYSTEMES DE PROJECTION COMPACTS A LENTILLES
PA - (A1) US PRECISION LENS INC (US)
IN - (A1) MOSKOVICH JACOB (US)
IC - (A1) G02B-013/18
PN2 - EP1031050 A4 20040609 [EP1031050]
STG2 - (A4) Publ. Of suppl. search report.
TI2 - (A4) WIDE FIELD OF VIEW PROJECTION LENSES FOR COMPACT PROJECTION
 LENS SYSTEMS EMPLOYING PIXELIZED PANELS
OTI2 - (A4) WEITWINKELPROJEKTIONSLINSEN FUR KOMPAKTE PROJEKTIONSSYSTEME
 MIT AUS PIXELN BESTEHENDEN ANZEIGETAFELN
 (A4) LENTILLES DE PROJECTION A GRAND ANGLE DESTINEES A DES
 SYSTEMES DE PROJECTION COMPACTS A LENTILLES
PA2 - (A4) 3M INNOVATIVE PROPERTIES CO (US)
IN2 - (A4) MOSKOVICH JACOB (US)
IC2 - (A4) G02B-013/18
LA - ENGLISH (ENG)
AP - EP98957761 19981110 [1998EP-0957761]
PR - WOUS9823937 19981110 [1998WO-US23937]
 US6530897P 19971113 [1997US-P065308]
DS - DE ES FR GB
UP - 2000-35

1 / 1 *LEGALI - @EPO*

PN - EP1031050 A1 20000830 [EP1031050]EP1031050 A4 20040609 [EP1031050]

AP - EP98957761 19981110 [1998EP-0957761]

ACTE - 20000830 EP/AK-A [+]

DESIGNATED CONTRACTING STATES:

DE ES FR GB

20000830 EP/17P-A [+]

REQUEST FOR EXAMINATION FILED

EFFECTIVE DATE: 20000509

20030827 EP/RAP1-A

APPLICANT REASSIGNMENT (CORRECTION)

OWNER: 3M INNOVATIVE PROPERTIES COMPANY

20040609 EP/A4-A [+]

SUPPLEMENTARY SEARCH REPORT

EFFECTIVE DATE: 20040427

20040609 EP/RIC1-A

CLASSIFICATION (CORRECTION)

7 G02B-013/18 A

20041201 EP/17Q-A

FIRST EXAMINATION REPORT

EFFECTIVE DATE: 20041018

UP - 2004-49

3 / 6 *PLUSPAT - @QUESTEL-ORBIT*

PN - JP2001523836 T 20011127 [JP2001523836]

STG - (T) Unexam. Pat. Appl. On foreign appl.

IC - (T) G02B-013/16 G02B-013/18 G02B-015/16

AP - JP2000521399T 19981110 [2000JP-0521399]

PR - US6530897P 19971113 [1997US-P065308]

10/19/05

US 6,324,014

09/554135

WOUS9823937 19981110 [1998WO-US23937]
UP - 2002-01

4 / 6 PLUSPAT - ©QUESTEL-ORBIT
PN - TW436638 B 20010528 [TW-436638]
STG - (B) Patent
TI - (B) Wide field of view projection lenses for compact projection
lens systems employing pixelized panels
PA - (B) CORNING INC (US)
IN - (B) MOSKOVICH JACOB (US)
IC - (B) G02B-009/12 G02B-013/18
AP - TW87119942 19981130 [1998TW-0119942]
PR - US6530897P 19971113 [1997US-P065308]
UP - 2001-45

1 / 1 LEGALI - ©EPO
PN - TW436638 B 20010528 [TW-436638]
AP - TW87119942 19981130 [1998TW-0119942]
ACTE- 20011127 TW/GD4A-A [+]
ISSUE OF PATENT CERTIFICATE FOR GRANTED INVENTION PATENT
UP - 2004-28

5 / 6 PLUSPAT - ©QUESTEL-ORBIT - image
PN - US6324014 B1 20011127 [US6324014]
STG - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001
TI - (B1) Wide field of view projection lenses for compact projection
lens systems employing pixelized panels
PA - (B1) CORNING PREC LENS (US)
PA0 - Corning Precision Lens, Cincinnati OH [US]
IN - (B1) MOSKOVICH JACOB (US)
IC - (B1) G02B-003/00 G02B-013/18
AP - US55413500 20000510 [2000US-0554135]
PR - US55413500 20000510 [2000US-0554135]
· US6530897P 19971113 [1997US-P065308]
WOUS9823937 19981110 [1998WO-US23937]
EC - G02B-013/06
G02B-013/18
G02B-027/18
PCL - ORIGINAL (O) : 359651000; CROSS-REFERENCE (X) : 359649000
359716000 359717000
DT - Basic
UP - 2001-49

1 / 1 LEGALI - ©EPO
PN - US6324014 B1 20011127 [US6324014]
AP - US55413500 20000510 [2000US-0554135]
ACTE- 20030218 US/AS-A
ASSIGNMENT
OWNER: 3M INNOVATIVE PROPERTIES COMPANY P.O. BOX 33427ST.;
EFFECTIVE DATE: 20030212
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:3M PRECISION OPTICS,
INC.;REEL/FRAME:013429/0259

20030218 US/AS-A
ASSIGNMENT

OWNER: 3M PRECISION OPTICS, INC. 3997 MCMANN ROAD CINCINNA;
 EFFECTIVE DATE: 20021213
 CHANGE OF NAME/ASSIGNOR: CORNING PRECISION LENS,
 INC.; REEL/FRAME: 013429/0359

20040420 US/RF-A
 REISSUE APPLICATION FILED
 EFFECTIVE DATE: 20031121
 UP - 2004-53

6 / 6 PLUSPAT - @QUESTEL-ORBIT - image
 PN - WO9926090 A1 19990527 [WO9926090]
 STG - (A1) Publ. Of int. Appl. With int. Search rep
 TI - (A1) WIDE FIELD OF VIEW PROJECTION LENSES FOR COMPACT PROJECTION
 LENS SYSTEMS EMPLOYING PIXELIZED PANELS
 OTI - (A1) LENTILLES DE PROJECTION A GRAND ANGLE DESTINEES A DES
 SYSTEMES DE PROJECTION COMPACTS A LENTILLES
 PA - (A1) US PRECISION LENS INC (US); MOSKOVICH JACOB (US)
 PA0 - U.S. PRECISION LENS INCORPORATED ; 4000 McMann Road Cincinnati, OH
 45245 (US) (except US)
 MOSKOVICH, Jacob ; 3891 Blackwood Court Cincinnati, OH 45236 (US)
 (only US)
 IN - (A1) MOSKOVICH JACOB (US)
 IC - (A1) G02B-003/00 G02B-003/02 G02B-015/14
 LA - ENGLISH (ENG)
 AP - WOUS9823937 19981110 [1998WO-US23937]
 PR - US6530897P 19971113 [1997US-P065308]
 EC - G02B-013/06
 G02B-013/18
 DS - CN; JP; KR; US; European Patent (AT; BE; CH; CY; DE; DK; ES; FI;
 FR; GB; GR; IE; IT; LU; MC; NL; PT; SE)
 DT - Basic

1 / 1 LEGALI - @EPO
 PN - WO9926090 A1 19990527 [WO9926090]
 AP - WOUS9823937 19981110 [1998WO-US23937]
 ACTE - 19990527 WO/AK [+]
 DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH
 REPORT
 CN JP KR US

19990527 WO/AL [+]
 DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED
 APPLICATION WITH SEARCH REPORT
 AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19990728 WO/121
 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN
 THIS APPLICATION

19990805 WO/DFPE
 REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF
 19TH MONTH FROM PRIORITY DATE

20000510 WO/ENP
 ENTRY INTO THE NATIONAL PHASE IN:
 US 2000 554135A 20000510 [2000US-0554135]

20000510 WO/ENP

10/19/05

US 6,324,014

09/554135

ENTRY INTO THE NATIONAL PHASE IN:
KR 2000 2000705112A [2000KR-0705112]

20000515 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:
JP 2000 521399A [2000JP-0521399]

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Syntax Definition

<u>and</u>	and
<u>or</u>	or
<u>w/N</u>	within N words
<u>not w/N</u>	not within N words
<u>pre /N</u>	precedes by N words
<u>w/p</u>	in same paragraph
<u>not w/p</u>	not in same paragraph
<u>w/seg</u>	in same segment
<u>not w/seg</u>	not in same segment
<u>w/s</u>	in same sentence
<u>not w/s</u>	not in same sentence
<u>and not</u>	and not

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Enter Search Terms

Terms and Connectors Natural Language Easy Search

6324014 or 6,324,014

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[No Date Restrictions](#) [From](#) 

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Search Connectors

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Syntax Definition

<u>and</u>	and
<u>or</u>	or
<u>w/N</u>	within N words
<u>not w/N</u>	not within N words
<u>pre /N</u>	precedes by N words
<u>w/p</u>	in same paragraph
<u>not w/p</u>	not in same paragraph
<u>w/seg</u>	in same segment
<u>not w/seg</u>	not in same segment
<u>w/s</u>	in same sentence
<u>not w/s</u>	not in same sentence
<u>and not</u>	and not

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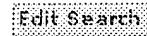
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- OR -

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*Enter Search Terms

Terms and Connectors Natural Language Easy Search

6324014 or 6,324,014

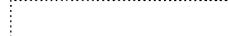
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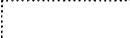
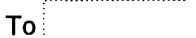
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Select a segment, enter search terms for the segment, then click Add.

Select a Segment    Add 1

Note: Segment availability differs between sources. Segments may not be applied consistently across sources.

Restrict by Date:

No Date Restrictions From  To  [Date Formats...](#)

*Search Connectors

Use connectors to show relationship between search terms. (Hover over connector for description. Click a connector to add to search.)

Syntax Definition

<u>and</u>	and
<u>or</u>	or
<u>w/N</u>	within N words
<u>not w/N</u>	not within N words
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